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PROCEEDINGS OF

# THE INSTITUTION OF CIVIL ENGINEERS

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## *PART III*

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### PROCEEDINGS OF

# THE INSTITUTION OF CIVIL ENGINEERS

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**The effect of surge on the design of crane gantry girders: tests on a 50-ft-span crane gantry girder,** J. S. Terrington. 532 (Aug.).

**Design of bridge piers embedded in cohesionless material, taking into account their flexibility,** Vladimir Karmalsky and Gerald Korner. 535 (Aug.); *Corrigenda*, 889 (Dec.).

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**Stress analysis of three-pinned arch-ribbed domes,** Z. S. Makowski and M. N. Gogate. 824 (Dec.).

**The solution of redundant frameworks by successive reduction of the gaps in cut members,** William Wright. 845 (Dec.).

**A general method for the analysis of grid framework,** Prof. A. W. Hendry and L. G. Jaeger. *Correspondence*, 851 (Dec.).

**A design chart for the economic section for prestressed concrete beams,** Prof. R. G. Robertson. *Correspondence*, 866 (Dec.).

**The determination of the collapse loads of rigidly jointed frameworks with members in which the axial forces are large,** N. W. Murray. *Correspondence*, 876 (Dec.).

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**The diversion of the Annalong River into the Silent Valley reservoir,** C. F. Colebrook. 161 (Apr.); *Discussion*, 174 (Apr.).

**The roofing of Cleadon Reservoir,** N. J. Ruffle and Hugh Tottenham. 265 (Aug.); *Discussion*, 289 (Aug.).

**The Caithness regional water supply scheme,** W. A. R. Baker, W. M. Jollans, and J. N. Dale. 366 (Aug.); *Discussion*, 385 (Aug.).

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# ERRATA

Proceedings, Part III, December 1955.

p. 758, para. 3, lines 1 and 3. *For* Fig. 9 *read* Fig. 11.

p. 760, last para, line 2. *For* Fig. 10 *read* Fig. 12.

p. 761, line 3. *For* Fig. 11 *read* Fig. 13.

This page, which includes Figs 11–13 omitted from the Proceedings, Part III, December, 1955, should be inserted in that Number between pp. 758 and 759.

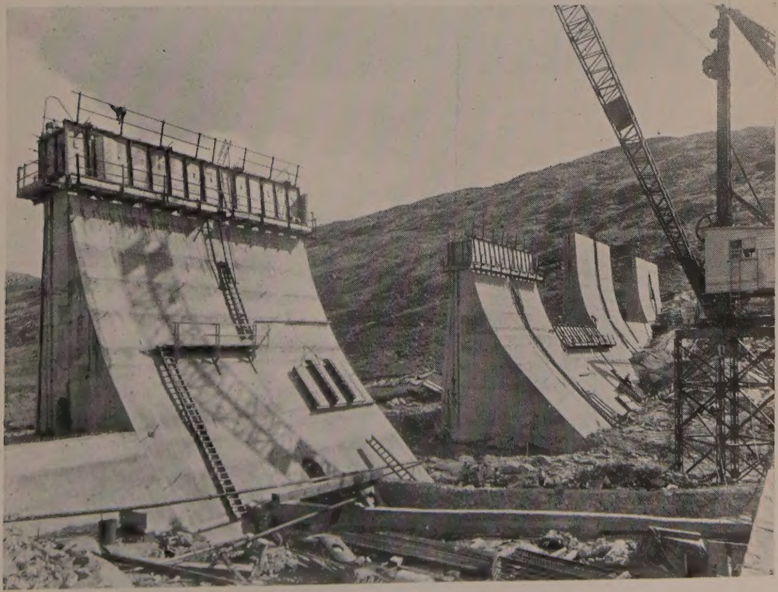

FIG. 11.—THE ALLT-NA-LAIRIGE DAM

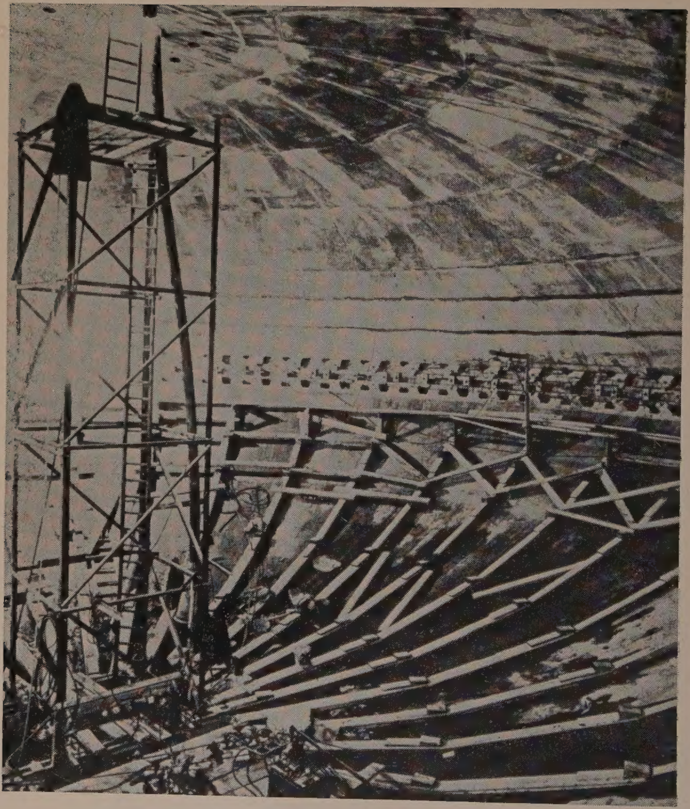

FIG. 12.—ELLIPSOIDAL OIL-STORAGE TANK IN FRANCE

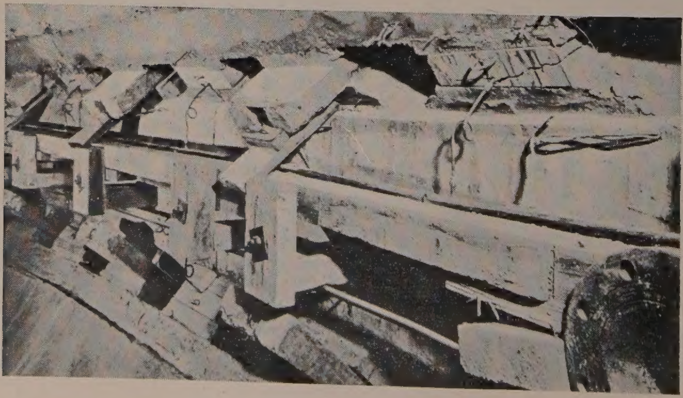

FIG. 13.—FLAT JACKS BETWEEN TWO DOMES IN ELLIPSOIDAL TANK